

Forensic Engineering & Expert Witness Services | DAC Consulting Services



Precision. Expertise. Global Impact.

When technical failures lead to legal disputes, DAC Consulting Services stands as a trusted leader in forensic engineering and expert witness services. With decades of industry experience and a global presence, DAC delivers robust, defensible analysis that supports clients in high-stakes investigations, litigation, and arbitration.

What Is Forensic Engineering?

Forensic engineering is the application of engineering principles to the investigation of failures, performance issues, and structural anomalies. As defined by the American Society of Civil Engineers, this discipline also involves presenting findings in legal contexts, often through expert testimony.

At DAC Consulting Services, we go beyond the basics. Our team applies rigorous, scientifically grounded methodologies to uncover the root cause of engineering failures, offering detailed insights tailored to complex legal, insurance, or technical challenges.

Why Choose DAC for Forensic Engineering?

✓ World-Class Technical Expertise

Our specialists span disciplines including mechanical, civil, electrical, chemical, and materials engineering. This cross-functional knowledge ensures that our findings are comprehensive and accurate.

✓ Proven Legal Experience

Our experts are regularly appointed in High Court litigation and international arbitration, often working under frameworks such as ICC, UNCITRAL, LCIA, SIAC, and DIFC. Their testimony has stood firm under scrutiny in courtrooms across the globe.

✓ Global Reach, Local Insight

With offices in London, Dubai, Miami, and Mexico City—and experts stationed in strategic locations such as Berlin, Madrid, Montreal, and Brisbane—we offer solutions that reflect regional regulations and industry standards.

Our Core Forensic Engineering Services

Root Cause Analysis (RCA)

Using tools such as the Ishikawa (Fishbone) Diagram, we isolate and analyse the key factors that contributed to a failure. This enables effective corrective action and informed legal strategy.

Scientific Investigations

We apply the scientific method to verify hypotheses, collect data through site inspections and material testing, and develop reliable conclusions.

Expert Reports & Testimony

Our engineers prepare detailed, compliant expert witness reports and provide articulate, unbiased testimony under rules like CPR 35 (UK Civil Procedure Rules).

Failure Investigations

From design flaws and structural collapses to manufacturing defects and material degradation, our team offers in-depth assessments that support insurers, lawyers, and asset owners.

Reinstatement Assessments

We determine the technical and financial feasibility of restoring damaged assets, helping stakeholders make informed decisions about repair, replacement, or compensation.

Industries We Serve

DAC's forensic engineering team has experience in a wide range of sectors, including:


- Oil & Gas – Pipelines, refineries, offshore platforms
- Power Generation – Fossil, nuclear, and renewable energy facilities
- Renewable Energy – Wind farms, solar plants, and hydroelectric systems
- Infrastructure – Roads, bridges, utilities, and public works
- Manufacturing – Industrial processes, heavy machinery, and production systems
- Construction – Commercial, residential, and public sector projects


Multidisciplinary & Coordinated Expertise


In complex cases, DAC often acts as the Coordinating Expert, aligning input across disciplines such as delay analysis, quantum valuation, and technical fault detection. We also collaborate with external experts when needed, offering clients a seamless, one-team solution.

Contact DAC Consulting Services

When engineering failures occur, swift, informed action is critical. DAC Consulting Services brings unparalleled clarity and confidence to your dispute resolution process.

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Contact us today to schedule a consultation and discover how our [forensic engineering](#) and expert witness services can help you resolve even the most complex challenges.

[DAC Consulting Services](#) – Leading Expertise. Global Reach. Exceptional Results.